

Yang, et al.
Atty. Dkt. No. 5333-02400

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reacting the second solution with a mixture of a titanium compound and a silicon compound to produce the solid titanium catalyst.

In the Abstract:

Please replace the abstract with the enclosed substitute sheet. Applicant has also submitted herewith a strikethrough version of the abstract indicating the amendments.

It is believed that no fees are due in connection with the filing of this Preliminary Amendment. However, if any fees are due, the Assistant Commissioner is hereby authorized to deduct said fees from Conley, Rose & Tayon Deposit Account No. 50-1505/5333-02400/EBM.

Respectfully submitted,



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ABSTRACT

The present invention relates to a catalyst for homo-polymerization or co-polymerization of ethylene, or more particularly to a solid complex titanium catalyst for homo-polymerization or
5 co-polymerization of ethylene. The catalyst may be produced by preparing a magnesium solution by contact-reacting a magnesium halide compound with an alcohol. Reacting the solution with an ester compound and a boron compound. Then reacting the solution with a mixture of a titanium compound and a silicon compound.